

**Abstract**

The invention relates to the use of conjugates of nucleic acid tag molecules and nucleic acid binding agents for labeling polymers such as nucleic acid molecules. The nucleic acid binding agents are nucleic acid binding enzymes that bind nucleic acid molecules non-specifically, in some embodiments. The conjugate can be formed by directly or indirectly binding the nucleic acid tag molecules to the nucleic acid binding agents. The invention provides conjugate compositions as well as methods and systems for using the conjugates to label and analyze polymers such as nucleic acid molecules.

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